

FORM PTO-1449(Modified)	ATTY. DOCKET NO. C1041/7002	SERIAL NO. 09/241,653
	LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT	
	APPLICANT Wagner et al.	
	FILING DATE February 2, 1999	GROUP 1635

U.S. PATENT DOCUMENTS

Exam Init	Ref Des	Document No.	Date	Name	Class	Sub Class	FILING DATE If Appropriate
ms	A1	3,906,092	09/16/75	Hilleman et al.	424	89	
	A2	5,212,295	05/18/93	Cook	536	26.7	
	A3	5,248,670	09/28/93	Draper et al.	514	44	
	A4	5,359,052	10/25/94	Stee et al.	536	26.7	
	A5	5,506,212	04/09/96	Hoke et al.	514	44	
	A6	5,512,668	04/30/96	Stec et al.	536	25.33	
	A7	5,521,302	05/28/96	Cook	536	25.31	
	A8	5,585,479	12/17/96	Hoke et al.	536	24.5	
	A9	5,599,797	02/04/97	Cook et al.	514	44	
	A10	5,663,153	09/02/97	Hutcherson et al.	514	44	
	A11	5,723,335	03/03/98	Hutcherson et al.	435	375	
	A12	5,750,674	05/12/98	Iyer et al.	536	26.7	
	A13	5,780,448	07/14/98	Davis	514	44	
	A14	5,786,189	07/28/98	Locht et al.	435	172.3	
	A15	5,837,856	11/17/98	Arnold, Jr. et al.	536	24.5	
	A16	5,849,719	12/15/98	Carson et al.	514	44	
	A17	5,856,465	01/05/99	Stec et al.	536	25.3	

FOREIGN PATENT DOCUMENTS

		Country & Doc. No. (11)	Pub. Date (43)		Class	Sub Class	Translation Yes No
ms	B1	WO 98/40100	09/17/98	PCT	A61K	39/39	
	B2	WO 98/52581	11/26/98	PCT	A61K	35/00	

OTHER ART

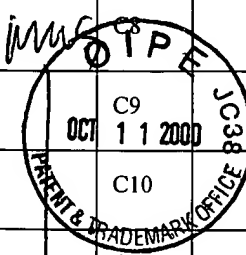
(Including Author, Title, Date, Pertinent Pages, Publication, Etc.)

ms	C1	Apte RN et al., Lipid A, the active part of bacterial endotoxins in inducing serum colony stimulating activity and proliferation of splenic granulocyte/macrophage progenitor cells. <i>J Cell Physiol</i> 1976; 71-78.
	C2	Ballas ZK et al., Induction of NK activity in murine and human cells by CpG motifs in oligodeoxynucleotides and bacterial DNA. <i>J Immunol</i> 1996;157(5):1840-5.
	C3	Bird AP, CpG-rich islands and the function of DNA methylation. <i>Nature</i> 1986; 321:209-13.
	C4	Branda RF et al., Immune stimulation by an antisense oligomer complementary to the rev gene of HIV-1. <i>Biochem Pharmacol</i> 1993; 45:2037-43.
	C5	Chace JH et al., Bacterial DNA-induced NK cell IFN-gamma production is dependent on macrophage secretion of IL-12. <i>Clin Immunol Immunopathol</i> 1997; 84:185-93.
	C6	Chu RS et al., CpG oligodeoxynucleotides act as adjuvants that switch on T helper 1 (Th1) immunity. <i>J Exp Med</i> 1997; 186(10):1623-31.
	C7	Elkins KL et al., Bacterial DNA containing CpG motifs stimulates lymphocyte-dependent protection of mice against lethal infection with intracellular bacteria. <i>J Immunol</i> 1999 Feb 15; 162(4):2291-8.

M. Schmitt

1/1/01

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		Endres R et al., Listeriosis in p47(phox-/-) and TRp55-/- mice: protection despite absence of ROI and susceptibility despite presence of RNI. <i>Immunity</i> 1997; 7:419-32.
	C9	Field AK et al., Inducers of interferon and host resistance. II. Multistranded synthetic polynucleotide complexes. <i>Proc Natl Acad Sci USA</i> 1967; 58:1004-10.
	C10	Halpern MD et al., Bacterial DNA induces murine interferon-gamma production by stimulation of interleukin-12 and tumor necrosis factor-alpha. <i>Cell Immunol</i> 1996; 167:72-8.
	C11	Hendrzak JA and Brunda MJ, Interleukin-12. Biologic activity, therapeutic utility, and role in disease. <i>Lab Invest</i> 1995; 72:619-37.
	C12	Klinman DM et al., CpG motifs present in bacteria DNA rapidly induce lymphocytes to secrete interleukin 6, interleukin 12, and interferon gamma. <i>Proc Natl Acad Sci USA</i> 1996; 93(7):2879-83.
	C13	Klinman DM et al., Immune recognition of foreign DNA: a cure for bioterrorism? <i>Immunity</i> 1999; 11(2):123-9.
	C14	Krieg AM, An innate immune defense mechanism based on the recognition of CpG motifs in microbial DNA. <i>J Lab Clin Med</i> 1996; 128(2):128-33.
	C15	Krieg AM et al., CpG motifs in bacterial DNA trigger direct B-cell activation. <i>Nature</i> 1995; 374:546-9.
	C16	Lai YH et al., Continuous administration of Il-13 to mice induces extramedullary hemopoiesis and monocytosis. <i>J Immunol</i> 1996; 156:3166-73.
	C17	Lipford GB et al., CpG-containing synthetic oligonucleotides promote B and cytotoxic T cell responses to protein antigen: a new class of vaccine adjuvants. <i>Eur J Immunol</i> 1997; 27:2340-4.
	C18	Mashiba H et al., In vitro augmentation of natural killer activity of peripheral blood cells from cancer patients by a DNA fraction from Mycobacterium bovis BCG. <i>Jpn J Med Sci Biol</i> 1988; 41:197-202.
	C19	McIntyre KW et al., A sense phosphorothioate oligonucleotide directed to the initiation codon of transcription factor NF-kappa B p65 causes sequence-specific immune stimulation. <i>Antisense Res Dev</i> 1993; 3:309-22.
	C20	McNeill TA, Antigenic stimulation of bone marrow colony forming cells. 3. Effect in vivo. <i>Immunology</i> 1970; 18:61-72.
	C21	Messina JP et al., Stimulation of in vitro murine lymphocyte proliferation by bacterial DNA. <i>J Immunol</i> 1991; 147:1759-64.
	C22	Messina et al., The influence of DNA structure on the <i>in vitro</i> stimulation of murine lymphocytes by natural and synthetic polynucleotide antigens. <i>Cell Immunol</i> 1993; 147:148-157.
	C23	Mojcik CF et al., Administration of a phosphorothioate oligonucleotide antisense to murine endogenous retroviral MCF env causes immune effects in vivo in a sequence-specific manner. <i>Clin Immunol Immunopathol</i> 1993; 67:130-6.
	C24	Monteith DK et al., Immune stimulation--a class effect of phosphorothioate oligodeoxynucleotides in rodents. <i>Anticancer Drug Des</i> 1997; 12:421-32.
	C25	Morrison SJ et al., The biology of hematopoietic stem cells. <i>Annu Rev Cell Dev Biol</i> 1995; 11:35-71.
	C26	Murray PJ et al., Hematopoietic remodeling in interferon-gamma-deficient mice infected with mycobacteria. <i>Blood</i> 1998; 91:2914-24.
	C27	Pisetsky DS, The immunologic properties of DNA. <i>J Immunol</i> 1996; 156(2):421-3.
	C28	Roman M et al., Immunostimulatory DNA sequences function as T helper-1-promoting adjuvants. <i>Nat Med</i> 1997; 3:849-54.

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C29	Spangrude GJ et al., Purification and characterization of mouse hematopoietic stem cells. <i>Science</i> 1988; 241:58-62.
C30	Sparwasser T et al., Bacterial DNA and immunostimulatory CpG oligonucleotides trigger maturation and activation of murine dendritic cells. <i>Eur J Immunol</i> 1998; 28:2045-54.
C31	Sparwasser T et al., Bacterial DNA causes septic shock. <i>Nature</i> 1997; 386:336-7.
C32	Sparwasser T et al., Macrophages sense pathogens via DNA motifs: induction of tumor necrosis factor-alpha-mediated shock. <i>Eur J Immunol</i> 1997; 27:1671-9.
C33	Staber FG and Metcalf D, Cellular and molecular basis of the increased splenic hemopoiesis in mice treated with bacterial cell wall components. <i>Proc Natl Acad Sci USA</i> 1980; 77:4322-5.
C34	Staber FG et al., Production of colony-stimulating factors by murine T cells in limiting dilution and long-term cultures. <i>Nature</i> 1982; 298:79-82.
C35	Stacey KJ et al., Macrophages ingest and are activated by bacterial DNA. <i>J Immunol</i> 1996; 157:2116-22.
C36	Templin MV and Lemonidis KM. Potential factors for decreased platelet counts in mice administered phosphorothioate oligodeoxynucleotides. [Abstract No. 170] Society of Toxicology 1999 Annual Meeting, New Orleans.
C37	Tokunaga T et al., Antitumor activity of deoxyribonucleic acid fraction from Mycobacterium bovis BCG. I. Isolation, physicochemical characterization, and antitumor activity. <i>J Natl Cancer Inst</i> 1984; 72:955-62.
C38	Tokunaga T et al., Synthetic oligonucleotides with particular base sequences from the cDNA encoding proteins of Mycobacterium bovis BCG induce interferons and activate natural killer cells. <i>Microbiol Immunol</i> 1992; 36:55-66.
C39	Yamamoto S et al., DNA from bacteria, but not from vertebrates, induces interferons, activates natural killer cells and inhibits tumor growth. <i>Microbiol Immunol</i> 1992; 36:983-97.
C40	Yamamoto S et al., In vitro augmentation of natural killer cell activity and production of interferon-alpha/beta and -gamma with deoxyribonucleic acid fraction from Mycobacterium bovis BCG. <i>Jpn J Cancer Res</i> 1988; 79:866-73.
C41	Yi, A-K et al., IFN- γ promotes IL-6 and IgM secretion in response to CpG motifs in bacterial DNA and oligonucleotides. <i>J Immunol</i> 1996;156(2):558-64.
C42	Yi, A-K et al., Rapid immune activation by CpG motifs in bacterial DNA. <i>J Immunol</i> 1996; 157:5394-5402.
C43	Zhao Q et al., Modulation of oligonucleotide-induced immune stimulation by cyclodextrin analogs. <i>Biochem Pharmacol</i> 1996; 52:1537-44.
C44	Zhao Q et al., Pattern and kinetics of cytokine production following administration of phosphorothioate oligonucleotides in mice. <i>Antisense Nucleic Acid Drug Dev</i> 1997; 7:495-502.
C45	Zimmermann S et al., CpG oligodeoxynucleotides trigger protective and curative Th1 responses in lethal murine leishmaniasis. <i>J Immunol</i> 1998; 160:3627-30.

* a copy of this reference is not provided as it was previously cited by or submitted to the office in a prior application, Serial No. _____, filed _____, and relied upon for an earlier filing date under 35 U.S.C. 120 (continuation, continuation-in-part, and divisional applications).

EXAMINER <i>MM Schumelt</i>	DATE CONSIDERED <i>1/1/01</i>
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered.
Include copy of this form with next communication to applicant